

**AMBASSADE DE FRANCE**

**LONDRES**

N° Ref : 964

The French Embassy presents its compliments to the Foreign and Commonwealth Office, Protocol Division, and has the honour to forward to it an application for an authorization for the maritime scientific research ship "GWENN DRESS" of IFREMER, to operate in UK territorial waters in the whole Eastern Channel from 51°15' North latitude to 2° West longitude from 1<sup>st</sup> October to 30th October 2009.

The aim of the research survey "CGFS 2009" to record data on biological and abundance indices for annual recruitment estimates of fish species which are subject to annual exploitation.

No harmful substances substances will be released. Sampling will be made by trawling.

The French Embassy avails itself of this opportunity to express to the Foreign and Commonwealth Office the assurance of its highest consideration.



London, 14 September 2009

Foreign and Commonwealth Office  
Protocol Division  
Old Admiralty Building  
Whitehall  
London SW1A 2AH

APPLICATION FOR CONSENT TO CONDUCT MARINE SCIENTIFIC RESEARCH  
IN AREAS UNDER NATIONAL JURISDICTION OF  
**UNITED KINGDOM.**

**Date : 23 April, 2009**

**1 - GENERAL INFORMATION**

**1.1. Cruise name and/or number :** **CHANNEL GROUND FISH SURVEY (CGFS 2009) on the research vessel *Gwen Drez*.**

**1.2. Sponsoring institution :**

Name : Ifremer  
Address : Technopolis 40 – 155 rue J-J. Rousseau  
92138 Issy-Les-Moulineaux Cedex (France)  
Phone : (33) 1 46 48 21 00                                  Fax : (33) 1 46 48 2121  
Director : Jean-Yves Perrot

**1.3. Scientist in charge of the project :**

Name : Frank Coppin  
Address : Ifremer - 150 quai Gambetta - BP 699  
62321 Boulogne-Sur-Mer (France)  
Phone : (33) 3 21 99 56 00                                  Fax : (33) 3 21 99 56 01  
Email : [franck.coppin@ifremer.fr](mailto:franck.coppin@ifremer.fr)

**1.4. Scientist from ..... involved in the planning of the project :**

Name :  
Address :  
Phone :      Fax :

**1.5. Submitting officer:**

Name : Olivier Quédec  
Address : Ifremer Centre de Brest - Secteur Programmation Flotte  
B.P. 70 - 29280 Plouzané - France  
Phone : 33 (0)2.98.22.44.43                                  Fax : 33 (0)2.98.22.44.55  
Email : [Olivier.quedec@ifremer.fr](mailto:Olivier.quedec@ifremer.fr)

## **2 - DESCRIPTION OF THE PROJECT**

### **2.1. Nature and objectives of the project :**

Since 1988, the Ifremer Fisheries Resources laboratory of Boulogne/mer is carrying out a pluri-annual program to estimate the recruitment and the abundance per age groups for main fish species of commercial interest in the Eastern Channel and in the south of the North Sea, as parts of great importance for the French fisheries. These data are obtained from an annual bottom trawl survey allowing to describe precisely the distribution of ichthyological populations and to collect biological informations suitable for stock assessments and ICES (International Council for the Exploration of the Sea) working groups. The data collected during this survey are also used to determinate the relationship between environmental parameters and aim species abundance to identified their optimal habitats.

#### **Sampling methods**

The Channel Ground Fish Survey (CGFS) is carrying out every year on the french Research Vessel GWEN DREZ (25 m, 600 HP) in October. The sampling area includes all the Eastern Channel and the south of the North Sea (ICES divisions VIIId and IVc4) (p. 5). This area is divided in rectangles of 15' of latitude and 15' of longitude and the sampling strategy type is systematic. The used gear is a bottom trawl GOV 19.70 / 25.90 m fitted with a double codend of 20 mm meshsize (stretched). In the original program each rectangle, the same hauls (2 in coastal waters or 1 offshore) are planned each year. Since 1997, some additional hauls are done in Seine bay, Veys bay, and Rye bay which are high-density areas for juveniles of whiting .The haul duration has been fixed to 30 minutes. and the fishing method is standardized (towing speed, warp length).

Taking into account the number of expected hauls (118), the necessary time for the realization of this program is evaluated at 30 days on zone, to the departure from Boulogne/mer. On the other hand, this survey intended to obtain fish abundance indices, it is important that this survey always take place in October, because during this period it is possible to catch the 0-fish group. Indeed, results can be interpreted and valorized only if they are analyzed like temporal series and in order that comparisons could be valid, it is essential that measures are suitable according to identical protocols, same ship, same sampling gear, same period and same sampling strategy.

In each station, all fish species are sorted, then counted, weighted and measured, after a possible sampling, and otoliths or scales of the main commercial species are collected (whiting, cod, plaice, striped red mullet).

### **2.2. Relevant previous or future research cruises :**

Channel Ground Fish Survey (CGFS from 1988 to 2007).

### **2.3. Previously published research data relating to the project :**

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**A. Carpentier, C. Warembourg, F. Coppin, L. Curet, J.-C. Dauvin, J.-P. Delpech, N. Desroy, J.-M. Dewarumez, L. Dupuis , P.D. Eastwood , B. Ernande , M. Fischer, A. Foveau, C. Garcia, P.R. Just, P. Koubbi , N. Leader-Williams, A. Lefebvre , S. Mackinson, C.S. Martin, G.J. Meaden, J. Morin, Y. Ota, S. Rogers, R.J. Smith, N. Spilmont, S. Vaz, C. Villanueva and S. Harrop.** Eastern Channel Habitat Atlas for Marine Resource Management (CHARM) - From a descriptive approach (phase I) to a process-oriented approach (phase II). ICES CM 2007 / R

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**Coppin F., Le Roy D., Schlaich I.**, 17 décembre 2006. Manche est: l'ifremer évalue les ressources. La manche libre. 1p.

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**Mahé, K., Delpech, J.P., Coppin, F. & S. Vaz**, 2006. Evaluation de la ressource halieutique en Manche orientale par les campagnes scientifiques françaises. Convention Ifremer-Ministère de l'Industrie n° 2006-0000708, 55p.

**Pavoine S.**, 2006. Comparaison de méthodes de modélisation appliquées à une espèce cible : le merlan (*Merlangius merlangus*) en Manche Orientale.

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**Marie-Joëlle Rochet, Verena Trenkel, Robert Bellail, Franck Coppin, Olivier Le Pape, Jean-Claude Mahé, Jocelyne Morin, Jean-Charles Poulard, Ivan Schlaich, Arnauld Souplet, Yves Vérin and Jacques Bertrand, 2005.** Combining indicator trends to assess ongoing changes in exploited fish communities: diagnostic of communities of the coasts of France. ICES Journal of Marine Science, 62: 1647e1664 (2005) doi:10.1016/icesjms.2005.06.009, 18p

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**Delpech JP. et F. Coppin**, 2002. Le grondin rouge (*Aspitrigla cuculus*) de Manche et sud mer du Nord (divisions CIEM VIIde et IVc). In *Les nouvelles de l'Ifremer, Le Marin n°38*, juillet 2002.

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**Braud S.**, 2001. Premières estimations de la diversité et de la structure quantitative de la mégafaune de la Manche orientale et du sud de la mer du Nord. DSR, UST Lille. 79p + annexes.

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**Vérin Y., Coppin F., Delpech JP., Dufour JL. et A. Carpentier**, 2001. Campagnes d'évaluation des ressources halieutiques en mer du Nord et Manche orientale, les campagnes 1999 et 2000. Contrat BIOECO n° 98/058, 47 + 120pp.

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**Bonnart AL., Dewas V., Decaux C. et O. Godinot**, 2000. Campagne expérimentale de chalutage en mer du Nord et Manche orientale. Mémoire ISA, Lille, 35p + annexes.

**Carpentier A. et F. Coppin**, 2000. Campagnes expérimentales de chalutage en Manche orientale. Les campagnes CGFS 1997 & 1998. Ifremer, Direction des Ressources Vivantes, Département des Ressources Halieutiques, RST DRV-RH 2000-03, 174p.

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**Le Pape O., Morin J., Riou P., Foucher E., Carpentier A. et F. Coppin**, 2000. Les nourriceries côtières en Manche Est. Influence de l'estuaire de la Seine. Manchette-Manche Ouest : journal du Comité Régional des Pêches de Basse Normandie, 28, 3p.

### **3 - METHODS AND MEANS TO BE USED**

#### **3.1. Particular of vessel**

Name : **Gwen Drez**

Nationality : French

Owner : Ifremer

Operator : Genavir

Overall length : 25 meters

Maximum draught : 3.5 meters

Net tonnage : 32 Tx

Gross tonnage : 106.31 Tx

Propulsion : Diesel

Maximum speed : 10 knots

Call sign : FNIB

Method and capability of communication (including telex, frequencies) :

- *GSM : Tel : 33.(0)6.80.58.05.58 (bridge) or 33.(0)6.16.87.10.68 (captain)*

*Fax : 33.(0)6.20.83.95.46*

- *Inmarsat : 00.870.7.624.855.73 (bridge) - Fax : 00.870.7.624.855.75 (captain)*

*Email : GW.Commandant@ifremer.fr*

Name of captain : Alain Burguin

Number of crew : 7

Number of scientists on board : 5

#### **3.2. Aircraft or other craft to be used in the project :**

#### **3.3. Particulars of methods and scientific instruments :**

Types of samples and data	Methods to be used	Instruments to be used
Abundances indexes for fishes	Systematic trawling	Bottom trawl
Presence of benthic organisms		
Temperature and salinity		Specific sensor
Horizontal and vertical trawl openings		Scanmar System

#### **3.4. Indicates whether harmful substances will be used :**

NO

#### **3.5. Indicate whether drilling will be carried out :**

NO

#### **3.6. Indicate whether explosives will be used :**

NO

#### **4 - INSTALLATIONS AND EQUIPMENTS**

**Details of installations and equipments (dates of laying, servicing, recovery, exact locations and depth)**

Sampling with bottom trawl with, for experience, a double codend in 20 mm meshsize (stretched).

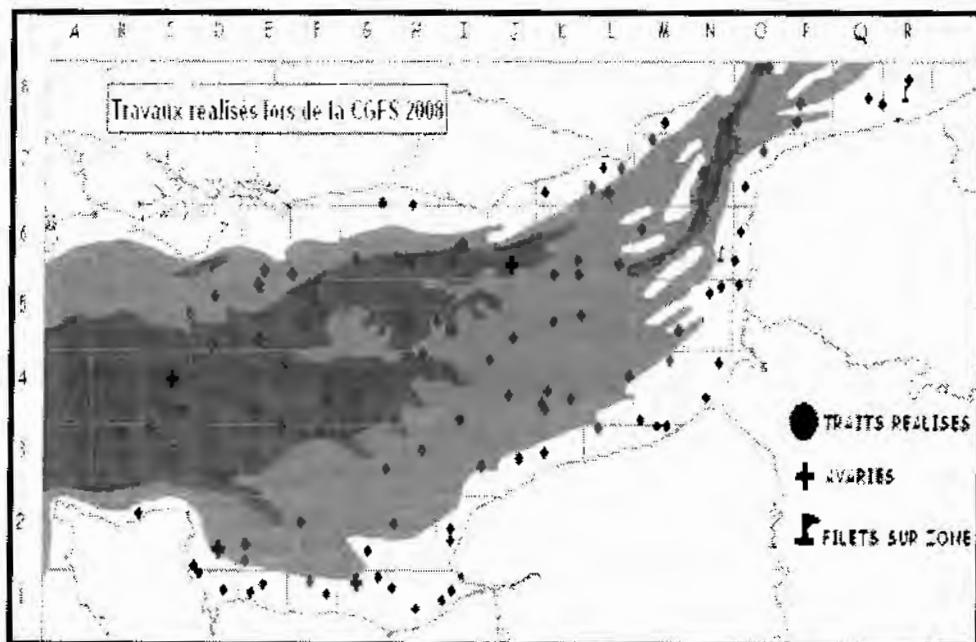
Recording water temperature, salinity, horizontal and vertical trawl opening with sensors fixed on the trawl.

#### **5 - GEOGRAPHICAL AREAS**

**5.1. Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude) :**

The whole Eastern Channel: from 51°15' North latitude to 2° West longitude

**5.2. Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment :**



**CGFS 2009 : location of hauls**

6 - DATES

**6.1 Expected dates of first entry into and final departure from the research area of the research vessel :**

**entry** date : 1<sup>st</sup> october 2009

**departure** date : 30<sup>th</sup> october 2009

#### **6.2 Indicate if multiple entry is expected :**

**In the english water: YES (it is dependant to weather conditions)**

7 - PORTS CALLS

7.1. Dates and names of intended ports of call in ..... .NONE..... .

**7.2. Any special logistical requirements at ports of call :**      **NONE**

**7.3. Name/Address/Telephone of shipping agent (if available)**

## 8 - PARTICIPATION

**8.1. Extent of which ..... will be enabled to participate or to be represented in the research project :**

#### **8.2. Proposed dates and ports for embarkation/disembarkation :**

**start** date : 1<sup>st</sup> october 2009 Boulogne sur Mer (France)

**end** date : 30<sup>th</sup> october 2009 Cherbourg (France)

## **9 - ACCESS TO DATA, SAMPLES AND RESEARCH RESULTS**

### **9.1. Expected dates of submission to ..... of preliminary reports which should include the expected dates of submission of the final results :**

This survey is expected to be funded by the European Commission (DG XIV) and an official report will be available to the EC and the scientific community.

### **9.2. Proposed means for access by ..... to data and samples :**

See above

### **9.3. Proposed means of making research internationally available :**

See above

## ANNEX

### **List of the scientific team (forecast)**

Franck Coppin	Ifremer	Boulogne-sur-mer
Didier Leroy	Ifremer	Boulogne-sur-mer
Sandrine Vaz	Ifremer	Boulogne-sur-mer
Jean-Paul Delpech	Ifremer	Boulogne-sur-mer
Yves Verin	Ifremer	Boulogne-sur-mer
Ivan Schlaich	Ifremer	Port-en-Bessin
Jerome Quinquis	Ifremer	Port-en-Bessin
Emilie Rostiaux	Ifremer	Port-en-Bessin
X	NAUSICAA	Boulogne-sur-mer
Y	<u>University</u>	